

SIMATIC S7-1200 CPU1214C AC/DC/RELAY

Product Data Sheet

6ES7214-1BG40-0XB0

SIMATIC S7-1200 Compact CPU

AC SUPPLY RANGE	PERMITTED LINE FREQUENCY	MAXIMUM AC INPUT CURRENT	MAXIMUM INRUSH CURRENT
85 to 264 V	47 to 63 Hz	300 mA at 120 V; 150 mA at 240 V	20 A at 264 V

Siemens 6ES7214-1BG40-0XB0 is a simatic s7-1200 compact cpu in the SIMATIC S7-1200 CPU1214C AC/DC/relay range. It is used for compact machine control with AC supply and relay outputs in compatible industrial automation projects.

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VERIFIED TECHNICAL DATA

AC supply range	85 to 264 V
Permitted line frequency	47 to 63 Hz
Maximum AC input current	300 mA at 120 V; 150 mA at 240 V
Maximum inrush current	20 A at 264 V
Typical power dissipation	14 W
Integrated work memory	150 KB, documented firmwareV4.6
Integrated load memory	4 MB
Onboard digital inputs	14, 24 V DC
Onboard relay outputs	10, 2 A
Integrated analog inputs	2, 0 to 10 V

ADDITIONAL PRODUCT DATA

Backplane output-current budget	1600 mA at 5 V DC
Retentive memory capacity	14 KB maximum
Typical bit-operation time	0.08 micros per instruction
Expansion module capacity	3 communication modules, 1 signal board, 8 signal modules
Engineering version	STEP 7 V18 or later for firmwareV4.6

DOCUMENTED USE SETTINGS

Food Processing and Beverage Production: Dairy Processing and Production.

Water Supply and Municipal Wastewater Treatment: Municipal Water Supply Control.

Packaging Production and Material Converting: Packaging Production Process Control.

SYSTEM COMPATIBILITY

Integrate 6ES7214-1BG40-0XB0 only in the documented SIMATIC S7-1200 CPU1214C AC/DC/relay configuration. Match the installed interfaces and the engineered application before selecting this simatic s7-1200 compact cpu.

PRODUCT EVIDENCE

Siemens 6ES7214-1BG40-0XB0 product technical data; pages 1, 2, 3, 4, 5, 6